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2523 # 10



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RAW SEQUENCE LISTING

DATE: 05/07/2002

PATENT APPLICATION: US/09/924,396B

TIME: 09:35:16

Input Set : A:\LOMAU.140A.txt

Output Set: N:\CRF3\05072002\I924396B.raw

4 <110> APPLICANT: Kirsch, Wolff
 5 Lennart, Anton
 6 Kelln, Wayne
 7 Kang, Dae-Kyung
 8 Levine, Rodney
 9 Rouault, Tracey
 11 <120> TITLE OF INVENTION: IRON-REGULATING PROTEIN-2 (IRP-2) IS
 12 DIAGNOSTIC FOR NEURODEGENERATIVE DISEASE
 15 <130> FILE REFERENCE: LOMAU.140A
 17 <140> CURRENT APPLICATION NUMBER: 09/924,396B
 C--> 18 <141> CURRENT FILING DATE: 2002-04-25
 20 <150> PRIOR APPLICATION NUMBER: 60/222,863
 21 <151> PRIOR FILING DATE: 2000-08-04
 23 <160> NUMBER OF SEQ ID NOS: 20
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 30 <213> ORGANISM: Artificial Sequence
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 33 <223> OTHER INFORMATION: cloning oligonucleotide
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 37 ccacttaaag tgcagcctaa gaagcttccc tgcagaggcc agactacctg ccgaggatct 120
 38 tgtgattctg gagaactagg ccgaaactca ggaacatttt cttcgcagat tgagaataca 180
 39 cccatcctg 189
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 42 <211> LENGTH: 63
 43 <212> TYPE: PRT
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 46 <220> FEATURE:
 47 <223> OTHER INFORMATION: peptide for antibody production
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 51 1 5 10 15
 52 Gly Lys Leu Ser Pro Leu Lys Val Gln Pro Lys Lys Leu Pro Cys Arg
 53 20 25 30
 54 Gly Gln Thr Thr Cys Arg Gly Ser Cys Asp Ser Gly Glu Leu Gly Arg
 55 35 40 45
 56 Asn Ser Gly Thr Phe Ser Ser Gln Ile Glu Asn Thr Pro Ile Leu
 57 50 55 60
 60 <210> SEQ ID NO: 3
 61 <211> LENGTH: 189

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63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: cloning oligonucleotide
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70 ccacttaaag tgcagcctaa gaagcttccc gccagaggcc agactacctg ccgaggatct 120
71 tgtgattctg gagaactagg ccgaaactca ggaacatttt cttcgcagat tgagaataca 180
72 cccatcctg 189
74 <210> SEQ ID NO: 4
75 <211> LENGTH: 63
76 <212> TYPE: PRT
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: peptide for antibody production
82 <400> SEQUENCE: 4
83 Ala Ile Gln Asn Ala Pro Asn Pro Gly Gly Gly Asp Leu Gln Lys Ala
84 1 5 10 15
85 Gly Lys Leu Ser Pro Leu Lys Val Gln Pro Lys Lys Leu Pro Cys Arg
86 20 25 30
87 Gly Gln Thr Thr Cys Arg Gly Ser Cys Asp Ser Gly Glu Leu Gly Arg
88 35 40 45
89 Asn Ser Gly Thr Phe Ser Ser Gln Ile Glu Asn Thr Pro Ile Leu
90 50 55 60
93 <210> SEQ ID NO: 5
94 <211> LENGTH: 189
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96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: cloning oligonucleotide
101 <400> SEQUENCE: 5
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103 ccacttaaag tgcagcctaa gaagcttccc tgcagaggcc agactaccgc ccgaggatct 120
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105 cccatcctg 189
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108 <211> LENGTH: 63
109 <212> TYPE: PRT
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112 <220> FEATURE:
113 <223> OTHER INFORMATION: peptide for antibody production
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117 1 5 10 15
118 Gly Lys Leu Ser Pro Leu Lys Val Gln Pro Lys Lys Leu Pro Cys Arg
119 20 25 30
120 Gly Gln Thr Thr Ala Arg Gly Ser Cys Asp Ser Gly Glu Leu Gly Arg
121 35 40 45
122 Asn Ser Gly Thr Phe Ser Ser Gln Ile Glu Asn Thr Pro Ile Leu

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Input Set : A:\LOMAU.140A.txt

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136 ccacttaaag tgcagcctaa gaagcttccc tgcagaggcc agactacctg ccgaggatct 120
137 gctgattctg gagaactagg ccgaaactca ggaacatttt cttcgcagat tgagaatata 180
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143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
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150 1 5 10 15
151 Gly Lys Leu Ser Pro Leu Lys Val Gln Pro Lys Lys Leu Pro Cys Arg
152 20 25 30
153 Gly Gln Thr Thr Cys Arg Gly Ser Ala Asp Ser Gly Glu Leu Gly Arg
154 35 40 45
155 Asn Ser Gly Thr Phe Ser Ser Gln Ile Glu Asn Thr Pro Ile Leu
156 50 55 60
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169 ccacttaaag tgcagcctaa gaagcttccc gccagaggcc agactaccgc ccgaggatct 120
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174 <211> LENGTH: 63
175 <212> TYPE: PRT
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
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184 Gly Lys Leu Ser Pro Leu Lys Val Gln Pro Lys Lys Leu Pro Ala Arg
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186 Gly Gln Thr Thr Ala Arg Gly Ser Cys Asp Ser Gly Glu Leu Gly Arg
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188 Asn Ser Gly Thr Phe Ser Ser Gln Ile Glu Asn Thr Pro Ile Leu
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198 <223> OTHER INFORMATION: cloning oligonucleotide
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202 ccacttaaaag tgcagcctaa gaagcttccc tgcagaggcc agactacccg ccgaggatct 120
203 gctgattctg gagaactagg ccgaaactca ggaacatttt cttcgcagat tgagaataca 180
204 cccatcctg                                     189
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207 <211> LENGTH: 63
208 <212> TYPE: PRT
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211 <220> FEATURE:
212 <223> OTHER INFORMATION: peptide for antibody production
214 <400> SEQUENCE: 12
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216 1      5      10      15
217 Gly Lys Leu Ser Pro Leu Lys Val Gln Pro Lys Lys Leu Pro Cys Arg
218      20      25      30
219 Gly Gln Thr Thr Ala Arg Gly Ser Ala Asp Ser Gly Glu Leu Gly Arg
220      35      40      45
221 Asn Ser Gly Thr Phe Ser Ser Gln Ile Glu Asn Thr Pro Ile Leu
222      50      55      60
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236 gctgattctg gagaactagg ccgaaactca ggaacatttt cttcgcagat tgagaataca 180
237 cccatcctg                                     189
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241 <212> TYPE: PRT
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: peptide for antibody production
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249 1          5          10          15
250 Gly Lys Leu Ser Pro Leu Lys Val Gln Pro Lys Lys Leu Pro Ala Arg
251          20          25          30
252 Gly Gln Thr Thr Cys Arg Gly Ser Ala Asp Ser Gly Glu Leu Gly Arg
253          35          40          45
254 Asn Ser Gly Thr Phe Ser Ser Gln Ile Glu Asn Thr Pro Ile Leu
255          50          55          60
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259 <211> LENGTH: 189
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial Sequence
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268 ccacttaaaag tgcagcctaa gaagcttccc gccagaggcc agactaccgc ccgaggatct 120
269 gctgattctg gagaactagg ccgaaactca ggaacatttt ctgcgcagat tgagaataca 180
270 cccatcctg                                     189
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273 <211> LENGTH: 63
274 <212> TYPE: PRT
275 <213> ORGANISM: Artificial Sequence
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282 1          5          10          15
283 Gly Lys Leu Ser Pro Leu Lys Val Gln Pro Lys Lys Leu Pro Ala Arg
284          20          25          30
285 Gly Gln Thr Thr Ala Arg Gly Ser Ala Asp Ser Gly Glu Leu Gly Arg
286          35          40          45
287 Asn Ser Gly Thr Phe Ser Ser Gln Ile Glu Asn Thr Pro Ile Leu
288          50          55          60
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293 <212> TYPE: DNA
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296 <400> SEQUENCE: 17
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299 aattgtgatg gctttttaat gaagaaggaa gatgttatga acattttaga ctggaaaacc 180
300 aaacaaagca atggttgaagt gccctttttc cctgcccgtg ttcttcttca agattttact 240
301 ggaataccag caatggttga ttttgctgct atgagggagg cagtgaaaac tcttgagggt 300
302 gatcctgaga aagtccatcc tgcttgtccg acagatctta cagttgacca ttctttacaa 360
303 attgacttca gtaaatgtgc aatacagaat gcaccaaata ctggagggtg tgacctgcag 420
304 aaagcaggaa agctctctcc acttaaagtg cagcctaaga agcttccctg cagaggccag 480
305 actacctgcc gaggatcttg tgattctgga gaactaggcc gaaactcagg aacattttct 540
306 tcgcagattg agaatacacc catcctgtgt ccttttcatt tgcaaccagt gcctgaacct 600
307 gaaacagtgt taaaaaatca agaagtagaa ttcggcagaa atcgagagag gcttcagttt 660

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VERIFICATION SUMMARY

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Input Set : A:\LOMAU.140A.txt

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L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date